

BALUYEV, A.; ISAYEV, Ye.; CHERNYAVSKIY, Ya.

"Photograph" of a working day made by the worker himself is an important method in discovering latent possibilities of production increase. Sots.trud 4 no.1:83-90 Ja '59. (MIRA 12:2)
(Siberia--Efficiency, Industrial)

BALUYEV, A.N.

A scheme of piscicultural measures for the Volga-Caspian area in connection with the construction of hydroelectric power stations on the Volga River. Trudy Okean. kom. 5:222-228 '59.

(MIRA 13:6)

(Volga Delta region--Fish culture)

ACCESSION NR: AT4008632

S/3040/63/000/002/0105/0115

AUTHORS: Baluyev, A. N.; Bratchikov, I. L.; Balina, G. I.; Igolkin, V. N.; Kovrigin, A. B.; Marty*nenko, B. K.; Poroshin, B. S.; Surin, S. S.

TITLE: Compiling routine for an electronic digital computer using input language ALGOL

SOURCE: Leningrad. Universitet. Kafedra vy*chislitel'noy matematiki i vy*chislitel'ny*y tsentr. Vy*chislitel'naya tekhnika i voprosy* programmirovaniya, no. 2, 1963, 105-115

TOPIC TAGS: digital computer, digital computer compiler, ALGOL computer language, computer language, complex algorithm, computer programming, machine language, binary code computer, computer input language, ALGOL

ABSTRACT: The input language and the algorithm of the programming

Card 1/2

ACCESSION NR: AT4008632

program developed in the Computation Center of Leningradskiy Universitet (Leningrad University), which is an abbreviated and modified variant of ALGOL-60, is described. The language differs from ALGOL in that the program as a whole constitutes one block and there are no descriptions of types; a separate class of identifiers is used for each class. The operators (particularly the procedure operators) and the description of the procedures are simplified and standardized. The input language itself and the operating principles of the programming program are described in detail and the algorithm for solving a system of linear algebraic equations of 50th order by the Gauss method, with choice of the principal element, is used as an example. Orig. art. has: 28 formulas.

ASSOCIATION: Leningradskiy gosudarstvenny*y universitet (Leningrad State University)

SUBMITTED: 15May62 DATE ACQ: 23Jan64 ENCL: 00
SUB CODE: CP NO REF SOV: 002 OTHER: 000

Card 2/2

BALUYEV, A. N.

USSR/Mathematics - Approximations

21 Apr 52

"Abstract Theory of S. A. Chaplygin's Method,"
A. N. Baluyev, Leningrad State U imeni Zhdanov
"Dok Ak Nauk SSSR" Vol LXXXIII, No 6, pp 781-784

Extends the fundamental ideas of S. A. Chaplygin to functional eqs in semiordered spaces. In 1919-1920 Chaplygin proposed a new method for the approx integration of differential eqs and systems of 1st-order eqs. Further development and application of his ideas were carried out by N. N. Luzin, G. Maksudov, A. V. Gel'fand, B. N. Petrov, Ye. P. Savarenksiy, D. Yu. Panov, L. V. Kantorovich, B. Z. Vulikh, and A. G. Pinsker. The method

223T62

turned out to somewhat more general, so that it was applied even beyond the limits of differential eqs. Submitted by Acad V. I. Smirnov 25 Feb 52.

223T62

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

RALUYEV, A.N.

Using semiordered norms in approximate solutions of nonlinear equations. Uch. zap. LGU no.271:18-27 '58. (MIRA 12:5)
(Functional equations)

67070

16(1), 16(2) - 16,4500, 16,4100, 16,6500

SOV/44-59-9-9490

Translation from: Referativnyy zhurnal. Matematika, 1959, Nr 9, p 171 (USSR)

AUTHOR: Baluyev, A.N.TITLE: On an Approximate Solution of Nonlinear Integral Equations

PERIODICAL: Uch.zap. LGU, 1958, Nr 271, 28-31

ABSTRACT: With the aid of the quadrature formula of Gauß the equation

$$(1) \quad x(s) = \int_0^1 K(s,t,x(t))dt + f(s)$$

is replaced by the system

$$(2) \quad x_i - \sum_{k=1}^n A_k K(t_i, t_k, x_k) - f(t_i) = 0.$$

It is assumed: a) the equation (1) has a bounded solution $\psi(t)$ b) in the domain $0 \leq s, t \leq 1$, $\psi(t)-h \leq u \leq \psi(t) + h$, $K(s,t,u)$ has bounded derivatives of first and second order with respect to all arguments; $f''(s)$ is bounded, c) the kernel $H(s,t) = \frac{\partial}{\partial u} K(s,t,\psi(t))$ has a bounded resolvent.

With the aid of the method of Newton it is shown that the system (2) has
Card 1/2

67070

16(1), 16(2)

SOV/44-59-9-9490

On an Approximate Solution of Nonlinear Integral Equations

a solution $x = \{x_1, \dots, x_n\}$ for sufficiently large n , where

$$|\psi(t_k) - x_k| \leq c \frac{1 - \sqrt{1-2h_o}}{h_o} \quad (c=c(n)=\text{const}, \quad k=1, \dots, n).$$

This solution is unique in the domain

$$|\psi(t_k) - x_k| \leq c \frac{1 + \sqrt{1-2h_o}}{2h_o} \quad (k=1, \dots, n).$$

A numerical example is given.

N.V.Azbelev, Z.B.Tsalyuk



Card 2/2

_____, _____,

"Converting horizontal stereoscopic parallaxes to a normal condition
of surveying with terrestrial stereophotogrammetry," Trudy Moskovskogo Insti-
tuta Inzhenerov Geodezii, Aerofotos'zemki I Kartografii (Transactions of the
Moskva Institute of Engineers of Geodesy, Aerial Surveying and Cartography),
No 29, Moskva, 1957. f. 69

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0

DRAFT

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

Dokument

BYKHOV, N.; BALUYEV, K.

New developments in organizing purchasers payments. *Bukhg.uchet* 16
no.1:12-22 Ja '57.
(Payment)

BALUYEV, K.

A suggestion that will harm the matter. Fin. SSSR 19 no.9:
40-41 8 '58. (MIRA 11:10)

1. Nachal'nik finansovogo otdela Moskovskogo avtozavoda imeni
I.A. Likhacheva.
(Finance)

107-9-45/53

AUTHOR: Baluyev, L. (Novo-Titarovskaya Station, Krasnodar Region)

TITLE: A Letter to the Editor (Nam pishut)

PERIODICAL: Radio, 1957, # 9, p 57 (USSR)

ABSTRACT: This letter deals with the lack of radio parts in the stores, and emphasizes that even the available parts are incomplete, for instance: tube-panels, electrolytic capacitors and loud-speakers without clamps, variable capacitors without pulleys and cables, variable resistors and switches without knobs, etc.

AVAILABLE: Library of Congress

Card 1/1

BALUYEV, M.P.; TKACHENKO, G.P.

Equipment for the mechanized assembly of girth butt joints
in cylindrical apparatuses. Avtom. svar. 16 no.8:76-78 Ag '63.
(MIRA 16:8)

1. Volgogradskiy zavod imeni Petrova.
(Electric welding--Equipment and supplies)
(Cylinders--Welding)

BALUYEV, N.

~~Electric wire entanglement. Voen.znan.32 no.12:31 D '56.~~
(Wire obstacles) (MLRA 10:2)

BALUYEV, N. M.

"The Organization of the Control of Leprosy," p. 153

Handbook on the Organization of the Control of Venereal and Infectious Skin Diseases, Moscow, Medgiz, 1957 Edited by N.m. Turanov and A.A. Studnitsin

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

~~BALUEN, S.I.~~

Significance of the interval between the first and the second doses of a drug. Suvrem. med., Sofia 5 no.4:10-21 1954.

1. Iz Katedrata po eksperimentalna meditsina pri ISUL, Sofia
(sav: dots. V.Petkov)
(DRUGS, dosage,
interval between first & second doses)

2011-10-1
BALUYEV, S.I.

Mechanism of the action of barbituric compounds [with summary in English]. Fiziol. zhur. [Ukr.] 3 no.3:62-70 My-Je '57. (MIRA 10:8)
(BARBITURIC ACID)

BALUYEV, Sergey Ivanovich, doktor med. nauk; STAROSTENKOVA, M.M., red.
izd-va; ATROSHCHENKO, L.Ye., tekhn. red.

[Aging and longevity] O starenii i dolgoletii. Moskva, Izd-vo
"Znanie," 1961. 78 p. (Vsesoiuznoe obshchestvo po rasprostraneniuu
politicheskikh i nauchnykh znanii. Ser.8, Biologiya i meditsina,
nos.17/18) (MIRA 14:11)

(Aging)

(Longevity)

BALUYEV, S.I. [Baluyev, S.I.]

Method for humoral isolation of a dog's head completely preserving its neural connections with the trunk. Fiziol. zhur. [Ukr] 4 no.6: 821-826 N-D '58. (MIRA 12:3)

1. Institut fiziologii im. A.A. Bogolmol'tsa AN USSR, laboratoriya vyschey nervnoy deyatel'nosti.
(SURGERY, EXPERIMENTAL)

CHEBOTAREV, D.F., prof.; BALUYEV, S.I., doktor med. nauk

On medicinal substances for the prevention and treatment of
premature aging. Sov. med. 24 no. 10:3-13 O '60. (MIRA 13:12)

1. Iz Instituta gerontologii i eksperimental'noy patologii AMN
SSSR.

(GERIATRICS)

BALUYEV, V., insh.-polkovnik

Mobile power engineering equipment in the national economy of the
U.S.S.R. and its utilization. Voen.-insh.shur. 96 no.9:42-45 S '52.
(MIRA 12:3)

(Power engineering)

BALUYEVYK

BC

133

1

Earthworms of the basic soil types of the Ivanov region. V. K. Gulyayev. (Proceedings, 1960, 18(2), 269-275.) Soils & Fertil., 1960, 18, 269-275. The author studied earthworms in soils of cultivated fields 200-300 ha, blackearth soils, brown soils and forest soils 19.0-21.0 ha (mixed forest). Abundance and distribution of worm species varied with soil type, but in all soils *M. lugubris* was dominant. In pot experiments with garden soil addition of worms increased by 70% the growth of wheat. A. G. POLLARD.

ALABAMA METALLURGICAL LITERATURE CLASSIFICATION

830M 834198

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

BALUYEV, V.K.

SO(1)

AUTHOR:

Aracol'di, K. V., Doctor of
Biological Sciences

807/30-59-2-46/60

TITLE:

Problems of Soil Zoology (Problemy pochvennoy zoologii)

PERIODICALS:

Vestnik Akademii nauk SSSR, 1959, Nr 2, pp 104-105 (SSSR)

ABSTRACT:

The 1st All-Union Conference on these problems took place in Moscow from November 25 to 29, 1958. It was attended by representatives of the Ukrainskaya SSR, the Baltic and Central Asiatic Republics, especially from Uzbekistan, altogether 115 persons. From the many lectures which were heard the author briefly mentions the following:

M. N. Gilyarov spoke of basic research problems of the zoology of invertebrates and the tasks of soil zoology.

A. I. Krashenskiy, V. K. Krilits, A. I. Tumanova and Y. M. Mikulyuk reported on problems of soil productivity in connection with the activity of invertebrates and their soil-forming rôle.

I. I. Malanich reported on the investigation of earth worms. M. M. Aleynikov, Kazanskii filial Akademii nauk SSSR (Kazan' Branch of the Academy of Sciences, USSR) reported on the soil fauna of the Tatarskaya ASSR.

V. I. Baluyev (Ivanovo) characterized the soil fauna of arable soils.

V. I. Grisal'skiy (Kiev) reported on the soil-forming rôle played by ants in forests.

P. V. Matashin (Moscow) reported on the variability of the helminths inhabiting the soil in connection with different conditions of life.

In. B. D'yachko, N. P. Krivoshchekina, G. F. Kurcheva, D. M. Mamayev, L. N. Demanova, T. V. Stobayev, Laboratoriya pochvennoy zoologii Institute zoologii chislennosti i. A. N. Severtsova Akademii nauk SSSR (Laboratory of Soil Zoology of the Institute of Animal Morphology Inst. A. N. Severtsova of the AS USSR) delivered 8 reports, which were followed by reports of young zoologists from Moscow under the scientific supervision of M. N. Gilyarov. On this conference the existence of soil zoology as an independent and important subject was demonstrated and the necessity of its integration into the number of problems coordinated by the AS USSR was emphasized. The next conference on soil ecology will probably be held in Kiev in 1961.

Card 1/2

Card 2/2

(14)

ALEKSEYEVA, G.Ye., kand. tekhn. nauk, dots.; MELESHKINA, L.P., dots., kand. tekhn. nauk; BALUYEV, V.K., inzh.; BAMDAS, A.M., prof., doktor tekhn. nauk; VENIKOV, V.A., prof., doktor tekhn. nauk; YEZHKOV, V.V., kand. tekhn. nauk; ANISIMOVA, N.D., dots., kand. tekhn. nauk; GANTMAN, S.A., kand. khim. nauk; GLAZUNOV, A.A., dots., kand. tekhn. nauk; GOGUA, L.K., inzh.; GREBENNICHENKO, V.T., inzh.; GRUDINSKIY, P.G., prof.; GORFINKEL', Ya.M., inzh.; ZVEZDIN, A.L., inzh.; KAZANOVICH, G.Ya., inzh.; KNYAZEVSKIY, B.A., dots., kand. tekhn. nauk; KOSAREV, G.V., dots., kand. tekhn. nauk; MESSERMAN, S.M., kand. tekhn. nauk, dots.; KOKHAN, N.D., inzh.; KUVAYEVA, A.P., dots., kand. tekhn. nauk; SOKOLOV, M.M., dots., kand. tekhn. nauk; LASHKOV, F.P., dots., kand. tekhn. nauk; LAZIN, A.I., inzh.; YUDIN, F.I., inzh.; LIVSHITS, A.L., kand. tekhn. nauk; METEL'TSIN, P.G., inzh.; NEKRASOVA, N.M., dots., kand. tekhn. nauk; OL'SHANSKIY, N.A., dots., kand. tekhn. nauk; POLEVAYA, I.V., dots., kand. tekhn. nauk; POLEVAYA, V.A., dots., kand. tekhn. nauk [deceased]; RAZEYIG, D.V., prof., doktor tekhn. nauk; RAKOVICH, I.I., inzh.; SOLDATKINA, L.A., dots., kand. tekhn. nauk; TREMBACH, V.V., dots., kand. tekhn. nauk; FEDOROV, A.A., prof., kand. tekhn. nauk; FINGER, L.M., inzh.; CHILIKIN, M.G., prof., doktor tekhn. nauk, glac. red.; ANTIK, I.V., inzh., red. GOLOVAN, A.T., prof., red.; PETROV, G.N., prof., red.; FEDOSEYEV, A.M., prof., red.

(Continued on next card)

ALEKSEYEVA, G.Ye.---- (continued). Card 2.

[Electrical engineering manual] Elektrotekhnicheskii spravochnik. Pod obshchei red. A.T. Golovana i dr. Moskva, Energiia. Vol.2. 1964. 758 p. (MIRA 17:12)

1. Moscow. Energeticheskiy institut. 2. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Venikov). 3. Chlen-korrespondent AN SSR (for Petrov).

BALUYEV, V.K.

"Electrical Engineering Facilities for Engineering Armaments" (Elektrotekhnicheskiye sredstva inzhenernogo vooruzheniya), 3d edition, revised, edited by N.N. Lutsenko, Vojennoye Izdatel'stvo (Military Publishing House), 424 pp., 1947

BALUYEV, V. K.

"Rules for Installing Electrical Equipment," Elektrichestvo, No.2, 1952

BALUYEV, V. K., TSVERAVA, G. K.

Electric Engineering

Remarks on journal "Rabochii Energetik" ("Power Engineering Technician.") Elektrichestvo no. 2:96 F '52. Inzh.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED

1. BALUYEV, V. K., Eng.
2. USSR (600)
4. Shneiberg, IA. A.
7. "Mikhail Matveyevich Boreskov." YA. A. Shneyberg. Reviewed by Eng. V. K. Baluyev, Elektrichestvo, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

1. PRESS, S. A., CHERNIAVSKIY, F. I., BALUYEV, V. K. Eng., GRUSHEVSKIY, B. V. Docent
2. USSR (600)
4. Electric Engineering
7. Comments on the textbook "General electrical engineering," edited by S. A. Press, F. I. Cherniavskiy, Eng. V. K. BALUYEV, Docent B. V. Grushevskiy. Elektrichestvo No. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

BALUYEV, V.K.; ROSSAL, N.A., polkovnik, red.; KAZAKOVA, V.Ye., tekhn.red.

[Electric tools] Elektrifitsirovannyi instrument. Moskva,
Voen.izd-vo M-va obor.SSSR, 1955. 77,p. (MIRA 12:8)
(Power tools)

BALUYEV, V.K., inzhener (Moskva).

Hundredth anniversary of the "Military engineering journal."
Elektrichestvo no. 5:92 My '57. (MIRA 10:6)
(Military engineering--Periodicals)

• 8(0)

PHASE I BOOK EXPLOITATION SOV/2597

Baluyev, Vladimir Konstantinovich, Engineer, Colonel, Ret.

Razvitiye voyenno-inzhenernoy elektrotehniki; kratkiy istoricheskiy ocherk (Development of Military Electrical Engineering; a Brief Historical Account) Moscow, Voenizdat, 1958. 166 p. Copies printed not given.

Ed.: N. A. Stasyuk; Tech. Ed.: A. M. Gavrilova.

PURPOSE: This book is intended for the general reader.

COVERAGE: The author presents the history of development of Russian electrical engineering for military purposes. He discusses the development of electrical military equipment from the Crimean War, 1853-1856, to the present. He also presents a list of Russian scientists who contributed to the development of the ~~discoveries~~ of electrical phenomena and electrical military equipment. No personalities are mentioned. There are 68 references, all Soviet.

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Development of Military (Cont.) SOV/2597
Ch. VIII. Electrical Equipment of Engineer Forces in the Great Patriotic War. Postwar Development of Military Electrical Engineering 112

Appendixes:

1. Brief Accounts of Scientists Who Contributed to the Development of Military Electrical Engineering 143
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3. Basic Data on Foreign Mobile Electric Power Plants 162

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AVAILABLE: Library of Congress (UG480.B2)

Card 3/3

JP/ec
11-13-59

BALUYEV, V.K., dotsent

Dynamics of Elateridae in grassland crop rotations. Sbor.
nauch.trud. Ivan.sel'khoz.inst. no.16:140-143 '58.(MIRA 13:11)

1. Kafedra zoologii Ivanovskogo sel'skokhozyaystvennogo
instituta.
(Click beetles)

BALUYEV, V.K., dotsent

Meso fauna of the basic soil types of Ivanovo Province. Sbor.
nauch.trud.Ivan.sel'khoz.inst. no.16:136-139 '58.(MIRA 13:11)

1. Kafedra zoologii Ivanovskogo sel'skokhozyaystvennogo instituta.
(Ivanovo Province--Soil micro-organisms)

BALUYEV, Vladimir Konstantinovich; DEMKOV, Ye.D., red.; BORUNOV, N.I..
tekhn.red.

[Safety rules in operating portable electric equipment] Tekhnika
bezopasnosti pri eksploatatsii perenosnykh elektronustrovok.
Moskva, Gos.energ.izd-vo, 1960. 31 p. (Biblioteka elektromontera,
(MIRA 14:1)
no.31).
(Electric apparatus and appliances--Safety measures)

BALUYEV, Vladimir Konstantinovich; ROSSAL, N.A., polkovnik, red.; SOKOLOVA,
G.P., tekhn. red.

[Electric power tools for lumbering] Elektrifitsirovannyi instru-
ment po derevu. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 96 p.
(MIRA 14:12)

(Power tools) (Lumbering—Electric equipment)

BALDIEV, V.K.

Elateridae of Ivanovo District. K pozn.fauny i flory Ivan Obl.
no.1:72-75 '61. (MIRA 15:7)
(Ivanovo District—Click beetles)

L 2967-66 EWT(d)/EWP(k)/EWP(l) JKT
ACCESSION NR: AP5026357

UR/0105/64/000/009/0093/0094

AUTHOR: Baluyev, V. K.; Grudinskiy, P. G.; Izyumov, N. M.; Kulebakin, V. S.;
Mirolyubov, N. N.; Sotskov, B. S.; Tsirlin, A. D.; Alekseyev, A. Ye.;
Bogoroditskiy, N. P.; Berger, A. Ya.; Yavorskiy, V. N.; Nasledov, D. N.;
Vasil'yev, D. V.

TITLE: [Nikolay Nikolayovich Lutsenko] (Obituary)

SOURCE: Elektrichestvo, no. 9, 1964, 93-94

TOPIC TAGS: electric engineering personnel

ABSTRACT: Doctor of Technical Sciences, Major General in the Technical Engineering Service, Professor N. N. Lutsenko died in May of this year after a long and serious illness. He graduated from the Moscow Higher Technical Academy in 1914 and was closely associated with his specialty of electrical engineering till the end of his life. He spent the first years of his practical activity at the Academy working in the electrical engineering laboratory of K. A. Krug. After that he began his career in the Soviet Army as a lowly laboratory assistant in the radiotechnical laboratory and worked his way up over thirty years to be head of the

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L 2967-66

ACCESSION NR: AP5026357

Department of Electrical and Military Engineering. He wrote several books: "Alternating Currents," "The Theory of Alternating Currents," "Course in General Electrical Engineering," "Radio Engineering" and, together with his co-workers, problem books on "A Course in Alternating Currents" and "The Physical Principles of Electrical Engineering." He set up a number of special courses (military application of electric power, military portable electric power stations, electric equipment for armies, electrification of military engineering works, etc.) and also participated in many engineering projects with the Soviet Army. He has written many textbooks, monographs and articles on the theoretical and applied divisions of military electrical engineering. These include "Electric Circuits" and "Fundamentals for the Design and Planning of Mobile Electric Stations." Many of N. N. Lutsenko's students are working in sections of the Soviet Army, in scientific institutes and in colleges, and in industry. These students are continuing the work of their teacher, the founder of Soviet military electrical engineering. He received his professorship in 1938 and his doctorate in 1949. He has received the Order of Lenin, three "Red Banners," the Order of the "Red Star" and many medals. Orig. art. has: 1 figure.

ASSOCIATION: none

ENCL: 00

SUB CODE: EE

SUBMITTED: 00

OTHER: 000

JPRS

NO REF Sov: COO

Card 2/2 *lehr*

BABAKIN, Yu.B.; BAIUTAEV, V.H.; KHABIBIN, G.A.; KAFYRIN, Yu.V.

Automatic control of pressure maintenance in the transfer of
subsurface samples. Nauch.-tekhn. sber. po dok. nefti no.3 N
112-113 '64. (CIA 17.12)

U. S. Energy Resources Research Institute

BALUYEV, V.P.

A new technological process for repairing freight cars.
Zhel.dor.transp. 39 no.7:72-73 J1 '57. (MLRA 10:8)

1. Starshiy inzhener Permskogo vagonnogo uchastka.
(Railroads--Cars--Maintenance and repair)

SOV/124-58-7-7629

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 43 (USSR)

AUTHOR: Baluyeva, A.S.

TITLE: Transient Flow of a Liquid in Open Channels (Neustanoviv-sheyesya dvizheniye zhidkosti v otkrytykh ruslakh)

PERIODICAL: Tr. Leningr. gidrometeorol. in-ta, 1956, Nr 4, pp 22-28

ABSTRACT: The problem is posed of finding an analytical solution for a system of de Saint-Venant differential equations for the transient flow of water in open channels. A solution in its final form is found for a case in which the forces resisting the flow of the water are negligibly small, the floor of the channel is horizontal, and the area F of the effective cross section of flow is expressed as an approximate function of the depth H in the form

$$F = A(H + C)^{1/2} \text{ (where } A, C = \text{const}) .$$

Discussed also is the matter of finding a solution for a more general case in which the only restriction retained would be with respect to the shape of the channel. 1. Inland waterways--Theory
2. Water--Velocity 3. Mathematics V.A. Arkhangel'skiy
--Applications

Card 1/1

BALUYEVH, G. A.

USSR/Chemical Technology. Chemical Products and Their
Application. Industrial Organic Synthesis

I-1

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2141
Author : Korzhev P.P., Baluyeva, G.A.
Inst : Academy of Sciences USSR
Title : Oxidative Pyrolysis of Ethane and Propane in the Presence
of Oxygen and Air.
Orig Pub : Sb.: Khim. pererabotka neft. uglevodorodov. M., AN SSSR,
1956, 102-105

Abstract : A mixture of C_2H_6 or C_3H_8 and air, or O_2 , was passed into
a quartz tube, 20 mm in diameter, filled with a chamotte
packing. Pyrolysis and combustion of hydrocarbons occurred.
The investigated conditions were as follows: in the case
of C_2H_6 - air mixtures: temperature from 745 to 815°,
content of O_2 in the mixture 11-15%; in the case of C_3H_8

Card 1/2

USSR/Chemical Technology - Chemical Products and Their
Application. Industrial Organic Synthesis

I-1

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2141

- O₂ mixtures: 760-820°, O₂ content 23%; in the case of C₃H₇ - air mixtures: 765-850°, O₂ content 11.8-13.6%; in the case of C₃H₇ - O₂ mixtures: 795-830°, O₂ content 9.2-15.9%. Composition of the reaction products and reaction heat values are given. With C₂H₆ - air at 805-815°, yield of C₂H₄ 57-58% by volume, on the basis of the C₂H₆ used, and 75-78% by volume on the basis of the C₂H₆ that had reacted. With mixtures of C₃H₇ - air and C₃H₇ - O₂, at 820-840°, yield of C₂H₄ 54-58% on the basis of C H used and 56-63% on the basis of C₃H₇ that had reacted (yield of CH₃-CHCH₃ 6-12%). Pyrolysis of C₂H₆ in the presence of O₂ was also carried out over catalysts (alumo-silicate and Cr₂O₃/Al₂O₃), yield of C₂H₄ at about 800°, 58.5% by volume on the basis of C₂H₆ used and 77-79% by volume on the basis of C₂H₆ that had reacted.

Card 2/2

G.A. BALUYEVA.

USSR/Physical Chemistry - Kinetics, Combustion, Explosions,
Topochemistry, Catalysis.

B-9

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 514

Author : M.E. Aerov, P.I. Luk'yanov, G.A. Baluyeva.

Inst : -

Title : Laboratory Reactor with Suspended Catalyst Layer.

Orig Pub : Zavod. laboratoriya, 1957, 23, No 3, 369-370

Abstract : The authors constructed a laboratory reactor for the study of processes of treatment of vaporous (gaseous) and solid substances in pseudoliquefied systems. This reactor secures the regime of pseudoliquefying the layer of the granular catalyst, at which no stratification into a gaseous and a solid phase takes place.

Card 1/1

KARACHNIK, M.I.; MASTRYUKOVA, T.A.; BALUYEVA, G.A.; KUGUCHEVA, Ye.Ye.;
Shipov, A.E.; MELENT'YEVA, T.A.

Application of the Hammett equation to dithio phosphorus acids, Zhur.
ob. khim. 31 no.1:140-145 Ja '61. (MIRA 14:1)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.
(Phosphorus acids)

KABACHNIK, M.I.; BALUYEVA, G.A.

Basicity of phosphines and the Hammett equation. Izv.AN
SSSR.Otd.khim.nauk no.3:536-537 Mr '62. (MIRA 15:3)

1. Institut elementoorganicheskikh svedineniy AN SSSR.
(Phosphine) (Hammett equation)

BALUYEVA, G.A.; IOPFE, S.T.

Beryllium, calcium, strontium, and barium organic compounds.
Usp.khim. 31 no.8:940-962 Ag '62. (MIRA 15:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Organometallic compounds)

BALUYEVA, G.A.

Azinia paradoxa, a new genus of water ferns in the deposits of the
Sym Series on the Taz River. Bot.zhur. 49 no.10:1471-1473 0 '64.
(MIRA 18:1)

1. Novosibirskoye geologicheskoye upravleniye.

KABACHNIK, M. I.; BALUYEVA, G. A.; MEDVED', T. Ya.; TSVETKOV, Ye. N.; CHZHAN ZHUN-YUY [Chang Jung-ju]

Kinetics and mechanism of bromination of vinylphosphinic acid derivatives.
Kin. i kat. 6 no.2;212-220 Mr-Ap '65. (MIRA 18:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

MOSKVIN, V.I., kandidat meditsinskikh nauk ; BALUYEVA, I., ordinator.

Bilateral partial gigantism of the feet. Khirurgiia no.4:79
Ap '54. (MLRA 7:6)

1. Iz detskoj khirurgicheskoy kliniki Tomskogo meditsinskogo
instituta.

(FOOT, diseases,
*gigantism, bilateral partial)

BALUYEVA, I.V.

Characteristics of the course of rubella in scarlet fever patients. Vop. okhr. materin. dets. 8 no.1:90 '63 (MIRA 17:2)

1. Iz kafedry detskikh infektsiy Omskogo meditsinskogo instituta.

BALUYEVA, L.F.

Cross dystopia of an S-shaped kidney. Urologiia no.6:49 '64.
(MIRA 18:11)

1. Khirurgicheskoye otdeleniye (zav. V.I.Veretenkov) Kuybyshevskoy
oblastnoy bol'nitsy imeni Kalinina.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

USSR/Medicine - Leprosy, Therapy
Medicine - Therapeutics Jan 48

"The Use of Eye Fluids on Leprous Patients,"
I. G. Baluyeva, N. I. Glagoleva, Leprosy Sector,
Inst of Malaria, Med Parasitol and Helminthol,
Acad Med Sci USSR, 1 p

"Gov Med" No 1

Suggests use of eye fluids as one of the patho-
genic substances in current treatment of
leprosy. Discusses eye fluids and methods for
administering them.

2/10/86

BALUYEVA, L. G.

USSR/Medicine - Leprosy
Ulcers

Nov 49

"Treatment of Lepromous Ulcers With Soviet Gramicidin," L. G. Baluyeva, Leprosy Sector, Inst of Malaria and Med Parasitol, Min of Pub Health USSR, 1/2 p

"Sov Med" No 11

Discusses therapeutic results of 12 cases in Kara-Kalpak Leprosarium in 1947 using 0.02 and 0.05% solutions of Soviet Gramicidin. Ulcers were irrigated thoroughly once or twice a day, covered with gauze saturated in a gramicidin solution, then covered with a cotton compress.

153X79

Nov 49

USSR/Medicine - Leprosy (Contd)

After six to seven applications the ulcerous surface started to heal. After 2-4 weeks, in 10 or 12 cases ulcers were completely healed.

153X79

SOV/137-58-10-21267

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 118 (USSR)

AUTHORS: Zamyatnin, M. M., Baluyeva, T. A.

TITLE: High-temperature Gas Carburization With the Products of Decomposition of Liquid Hydrocarbons (Vysokotemperaturnaya gazovaya tsementatsiya produktami razlozheniya zhidkikh uglevodorodov)

PERIODICAL: V sb.: Prom. primeneniye tokov vysokoy chastoty. Riga, 1957, pp 165-174

ABSTRACT: An investigation of the feasibility of carrying out high-temperature carburization (C) of 20KhA, 18KhGT, 30 KhGT, and other grades of steel in the products of the pyrolysis of liquid hydrocarbons (pyrobenzol and kerosene) with heating by a high-frequency current. The energy was supplied by a 100 kw and 8000 cps rotating-type high-frequency generator. The specimens were heated up to the required temperature within 10 - 15 min. The introduction of the carburizing fluid began at 850 - 900°C. The pressure in the apparatus was 5 - 20 mm H₂O column. After a specific soaking period the current was switched off, the specimens were cooled to 900 - 800°, and the carburizer inflow was

Card 1/2

SOV/137-58-10-21267

High-temperature Gas Carburization (cont.)

stopped. A uniform carburized layer (CL) was obtained by using pyrobenzol and kerosene in amounts of 180 - 250 cc/hour. Investigations established that C at 1050° and soaking for one hour produce a CL 0.8 - 1 mm thick. The macrostructure of CL in 20Kh and 18KhGT grades of steel after cooling consisted of sorbite-like pearlite and a cementite lattice. The carbon contents close to the surface attained 1.5 - 1.7%. Subsequent quenching from 800° (20Kh-grade steel) and 870° (18KhGT-grade steel) brings about a partial dissolution and coagulation of the lattice. The addition of NH₃ into the furnace in the role of dilutant in amounts of 1 to 4 l/min produced some increases in the depth of the CL. 18KhGT and 30KhGT-grades of steel subjected to a high-temperature C (1050°) and immediate quenching with precooling to 900° can ensure the production of high mechanical properties of the core. Excessive precooling can cause a considerable decrease in strength, ductility, and resilience. The coarse structure of the core can be improved by a single quenching, normalization and quenching, or a double quenching.

1. Steel--Carbonization 2. Hydrocarbons--Decomposition I. B.
3. Hydrocarbons--Applications 4. Kerosene--Applications 5. Steel
---Heat treatment

Card 2/2

ZAMYATNIN, M. M. kand.tekhn.nauk; BALUYEV, T. A., inzh.; prinimali
uchastiva MAKAROV, A. I.; ZIMIN, N. V.; TELEGINA, M. P.; ZAYTSEVA,
G. V.

Study of chemical and thermal processes in the treatment of steel
components with high-frequency induction heating. Trudy NIITVCH
(MIRA 17:7)
no.1/2:116-126 '60.

S/123/62/000/010/006/013
A004/A101

AUTHORS: Zamyatnin, M.M., Baluyeva, T.A.

TITLE: Nitriding of steel components with h-f heating

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 10, 1962, 34, abstract 10B196. (V sb. "Prom. primeneniye tokov vysokoy chastoty v elektrotermii". Moscow-Leningrad, Mashgiz, 1961, 109 - 117)

TEXT: The authors investigated the effect of induction heating on the acceleration of the nitriding process and the properties of the nitrided steel layer. The experiments were carried out with specimens of the 38 XM10A layer. The experiments were carried out with specimens of the 38 XM10A (38KhMYuA), 40 X (40Kh) and 4 X 13 (4Kh13) steel grades and with components from 25 X 5MA (25Kh5MA) grade steel. The specimens were placed in a ceramic tube on which the inductor was put. Heating was effected by a machine generator of 100 kW power and 8,000 cps frequency. Nitriding was effected at 550°C with 0.5 - 5.0 hours holding. It was found that in nitriding components from 25Kh5MA grade steel with h-f heating the total depth, at a temperature of 550°C, of the cemented layer amounted to 0.06 - 0.07 mm if the process duration was 30 minutes, 0.21 - 0.23 mm if the process lasted 3 hours, and 0.30 - 0.39 mm with 5 hours duration.

Card 1/2

S/123/62/000/010/006/013
A004/A101

Nitriding of steel....

The total depth of layer of the 38KhMYuA and 40Kh steel grades practically did not differ from the figures obtained with the 25Kh5MA grade steel if the nitriding process duration amounted to 3 hours. The depth of the high-hardness layer is the same or somewhat higher with the 38KhMYuA steel than with the 25Kh5MA steel, while it is somewhat lower with the 40Kh grade steel. The depth of the saturated layer of the 4Kh13 grade steel is considerably lower than that of the other grades and amounts to 0.06 - 0.09 mm only. These data agree with the results obtained in ordinary nitriding. In the nitriding with h-f heating of plungers and bushes from 25Kh5MA grade steel, it is possible to obtain layers 0.2 - 0.25 mm deep in the course of 3 - 4 hours at a temperature of 550°C. Moreover, the depth of layer with a hardness exceeding HV 820 is 0.08 - 0.12 mm. It is pointed out that nitriding with h-f heating in a saturated ammonia solution did not yield encouraging results. There are 9 figures and 4 references.

E. Spivak

[Abstracter's note: Complete translation]

Card 2/2

S/810/62/000/000/004/013

AUTHORS: Zamyatnin, M. M., Baluyeva, T. A.

TITLE: The use of high-frequency heating for high-temperature chemical treatment.

SOURCE: Metallovedeniye i termicheskaya obrabotka; materialy konferentsii po metallovedeniyu i termicheskoy obrabotke, sost. v g. Odesse v 1960 g. Moscow, Metallurgizdat, 1962, 177-183.

TEXT: The paper reports results of an investigation on the use of HF heating for chemical treatment of metals and alloys performed at the NIIPI (Scientific Research Institute of High-Frequency Heating) headed by V. P. Vilegovskii. According to NIIPI, (a) acceleration of heating and cooling cycles, (b) attainability of

In a situation at present where the gas flow rates, etc., are such that the system will not produce the desired result, because cooler gases are then drawn in from the space outside of the inductor. Best results are obtained when the pressure in the

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CIA-RDP86-00513R000103330001-0"

BALUYEVA, I. A.

USSR/Human and Animal Physiology. Blood.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36263.

Author : Baluyeva, T.K.

Inst :

Title : The Effect of Adrenal Hormones on the Protein Fractions
of Blood Serum. II. Changes of Protein Fractions Under
the Effect of the Adrenocortico-Tropic Hormone, Cortico-
tonin and Desoxycorticosterone Acetate.

Orig Pub: Fiziol zh., 1955, 1, No 6, 37-45

Abstract: No abstract.

Card : 1/1

S/081/62/000/001/044/067
B168/B101

AUTHORS: Chmutin, M. S., Baluyeva, T. V.

TITLE: Electrical properties of porous clay filler

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 346, abstract
1K328 (Sb. tr. Stalingr. in-t inzh. gor. kh-va, v. 2,
1959, 133-135)

TEXT: Methods of determining the electrical characteristics of porous
clay filler - dielectric constant, tangent of the angle of dielectric
losses and resistivity - are described and results of determinations are
given. [Abstracter's note: Complete translation.]

Card 1/1

BALUYEVA, Ye. I.

Treatment of congenital clubfoot by the T. S. Zatsepin method with
our modification. Ortop., travm. i protez. 22 no. 8:34-36 Ag '61.
(MIRA 14:12)

1. Iz detskoy khirurgicheskoy kliniki (zav. - prof. I. S. Vengerov-
skiy) Tomskogo meditsinskogo instituta na baze detskoy gorodskoy
bol'nitsy (glabnyy vrach - K. G. Bubnova).

(FOOT--ABNORMALITIES AND DEFORMITIES)

1. BALUYEVA, Z. I.

2. USSR (600)

4. Latvia-Poultry

7. Poultry sections of Latvian collective farms. Ptitsvodstvo no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. BALUYEVA, Z. I.
2. USSR (600)
4. Poultry - Latvia
7. Poultry sections of Latvian collective farms. Ptitsvodstvo no. 4, 1952.

91 Monthly List of Russian Accesions, Library of Congress, February 1953. Unclassified.

BALOGH, M.

Lokalne vytnovanie aktivity fosfataz histochimickou metodou. [Local histochemical examination of the activity of phosphatases] Bratislava.
Lek. listy 30:4-5 Apr-May 50 p. 340-2

1. Of the Orthopedical Clinic in Bratislava (Head -- Prof. J. Cervaransky, M. D.).

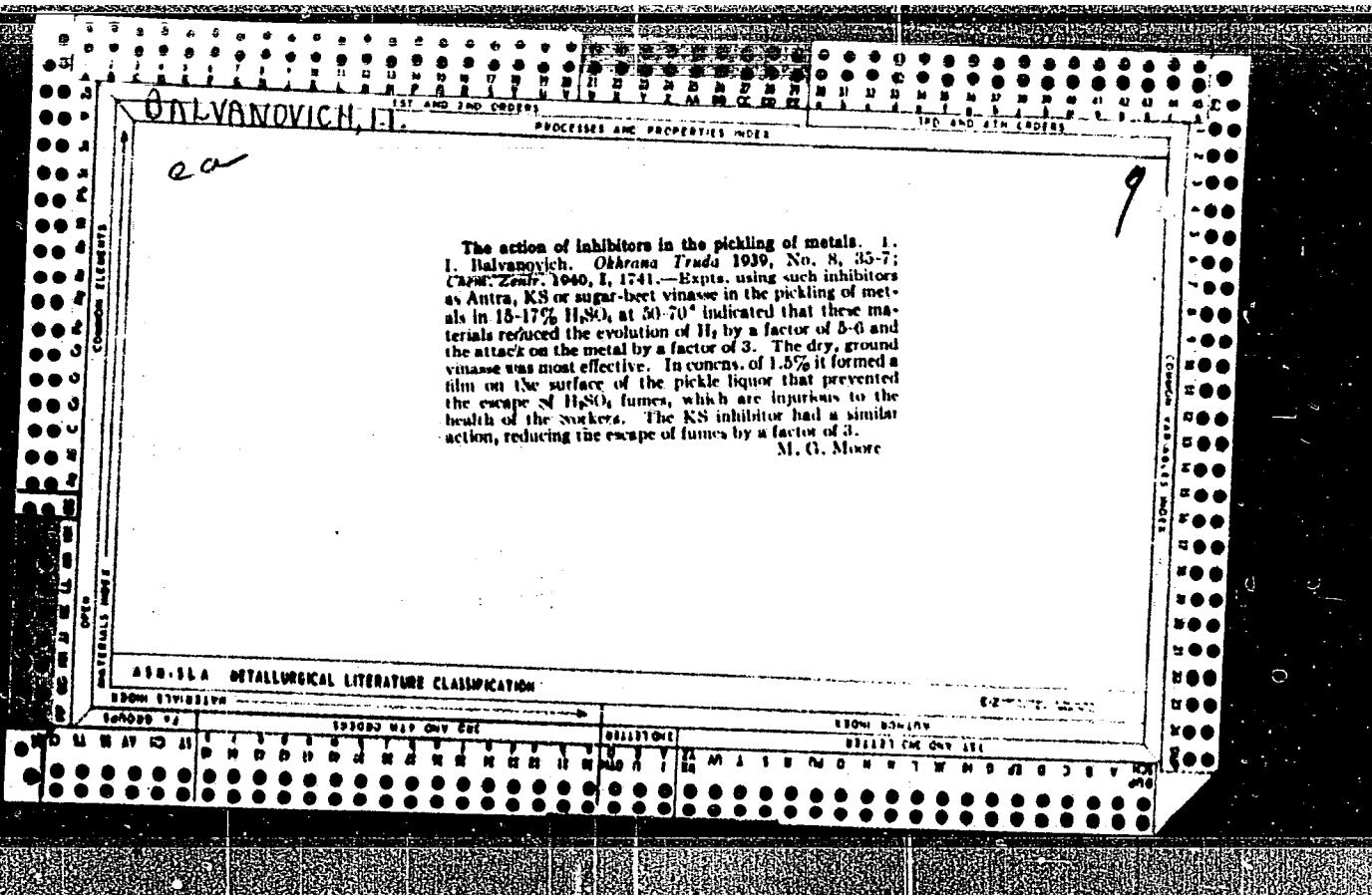
BAL'VA, V.V., inzh.

Increase in the operational reliability of PT-35-30E and
PT-35-30M feed pumps manufactured by the Kaluga Turbine
Factory. Energetik ll no.4:13-15 Ap '63. (MIRA 16:3)
(Pumping machinery)
(Turbomachines)

BAL'VA, Ya.T., inzh.; GUR'YANOVA, T.A., inzh; FAYNSHTEYN, A.S., inzh.

Use of fireclay-concrete lining of boilers in the system of the
"Volgoenergomontazh" Trust. Energ. stroi. no.1:83-86 '59.
(MIRA 13:2)

1.Trest "Volgoenergomontazh".
(Stalingrad--Boilers)



BALVANOVICH, V.

Noncontractual home building by workers and employees in Serpukhov.
Gor.i sel'.stroi. no.7:19-20 J1 '57. (MLRA 10:10)

1. Predsedatel' ispolkoma Serpukhovskogo gorsoveta.
(Serpukhov--Building)

KUKHARENKO, N.K.; BASIN, Ya.N.; BAL'VAS, Yu.P.; TYUKAYEV, Yu.V.

New type of models of porous strata for neutron logging. Atom.
energ. 15 no.4:338-339 O '63. (MIRA 16:10)

BALVAYEV, A. V.

"Early Covering the Vines for Winter and Late Spring Pruning," Vin.SSSR, 12, No.8,
1952.

PALWIRCZAK, B.

103d Independent Liaison Squadron, a forgotten unit of the People's Air Force.
p. 40.

WOJSKOWY PRZEGLAD LOTNICZY. (Dowodz:wo Wojsk Lotniczych) Warszawa, Poland.
Vol. 11, No. 10, Oct. 1958.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9 September,
1959. Uncl.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0

BALWIROZAK, B., major pilot

Aeronautical contests. Wojsk przegl 15 no.8:8-9 Ag '61.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

BALYABIN, A. (Ryazan')

Journey into television; kinescope. Radio no.6:28-32 Je '60.
(MIRA 13:7)
(Television--Picture tubes)

BALYABIN, A.N.

USSR / Radio Physics. Radio Measurements.

I-8

Abs Jour : Ref Zhur - Fizika No 3, 1957, 7347

Author : Balyabin, A.N., Katkov, N.G.

Title : Measurement of the Q of Cavity Resonators of Microwave Instruments.

Orig Pub : Tr. Ryazansk, raditekhn. in-ta, 1956, 1, 108-115

Abstract : A method is proposed for measuring the Q of resonators, having one coupling element. The oscillations in the investigated resonator are excited by a generator with a swinging frequency. The curves showing the variation of the power reflected from the investigated cavity and from the waveguide piston are recorded with an oscilloscope. Comparison of these oscilloscope records makes it possible to plot the resonant curve of the cavity, from which its Q is determined.

Card : 1/1

- 56 -

L 43144-50 SAT(T)/T DS

ACC NR: AR6023696

SOURCE CODE: UR/0275/66/000/004/A011/A011

AUTHOR: Panov, V. P.; Balyabin, A. N.

ORG: none

TITLE: Apparatus for testing cathodes and shf generators in pulse operation

SOURCE: Ref zh. Elektronika i yeye primeneniye, Abs. 4A76

TOPIC TAGS: cathode, generator, pulse generator, testing device, shf generator

ABSTRACT: Basic data are provided for a device intended for testing cathodes and
shf generators in pulse operation. L. L. [AM]

SUB CODE: 09, 10/

Card 1/1 MLP

ACC NR: AR6015903

SOURCE CODE: UR/0275/66/000/002/A025/A026

AUTHOR: Rulyabin, A. N.

51

TITLE: Investigation of an oscillating system for a klystron oscillator with a wide ribbon beam

25

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 2A169

REF SOURCE: Tr. Ryazansk. radiotekhn. in-ta, v.5, 1962 (1963), 19-32

TOPIC TAGS: klystron, electronic oscillator, oscillator theory, H shaped waveguide, critical wavelength, critical frequency, electric field

ABSTRACT: An oscillating system (KS) designed for use in a floating-drift klystron oscillator with a flat ribbon beam, the width of which is on the order of one, or of several, wavelengths is investigated. The KS is an H shaped waveguide closed on itself, in which the wall has been removed at the point of constriction. When the KS is excited at a frequency equal to the critical frequency for the waveguide the electrical field will be maximum in the gap and will be the same along the entire system. The natural frequencies for the KS can be determined by the equivalent circuit with point constants method. It is demonstrated that there can be 2 resonances in the KS (corresponding to the various configurations of the electrical

Card 1/2

UDC: 621.385.623.4

L-09217-67

ACC NR: AR6019903

field in the aperture), only one of which is the working resonance. Recommendations for suppressing undesired resonances are made. Bibliography of 5 titles.
R. M. [Translation of abstract]

SUB CODE: 09

Coral 2/3

L 09219-67 EWT(1) IJP(c)

ACC NR: AR6019901

SOURCE CODE: UR/0275/66/000/002/A004/A004

AUTHOR: Balyabin, A. N.

65

TITLE: Determination of the internal electrostatic capacitance of a system of 4 parallel plates

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 2A23

REF SOURCE: Tr. Ryazansk. radiotekhn. in-ta, v. 5, 1962(1963), 41-46

TOPIC TAGS: electric capacitance, resonator, electromagnetic wave, electromagnetic field, electrostatic field, electric measuring instrument

ABSTRACT: The calculation for the internal electrostatic capacitance of a system of four parallel plates, often encountered in the determination of the resonant wavelength and characteristic resistance of certain types of gridless resonators for superhigh frequency instruments is given. Determination of the electrical field pattern within the system was made using the Schwartz-Christofel method. An analytical equation for the linear capacitance of the system in accordance with its geometric dimensions was obtained. Bibliography of 1 title. R. M. [Translation of abstract]

SUB CODE: 20, 09

Card 1/1 mle

UDC: 621.385.6

BALYABIN, A.S., starshiy prepodavatel'

Axonometric rectangular projections of inclined solids with curvi-linear surfaces. Izv.vys.ucheb.zav.; mashinostr. no.8:5-14 '61.
(MIRA 15:1)

1. Kuybyshevskiy industrial'nyy institut.
(Axonometric projection)

BALYABIN, IV. A.

LUK'YANOV, A.I.; BAILYABIN, A.Ya.

Working at high speeds. Tekst.prom. 17 no.9:49-50 S '57.

(MIRA 10:11)

1. Glavnyy inzhener fabriki imeni N.K.Krupskoy (for Luk'yanov).
2. Nachal'ni prigotovitel'nogo tsekha fabriki imeni N.K.Krupskoy (for Balyabin).

(Looms)

BALYABO, N.K.

The dynamics of the mobile forms of nitrogen in the soil and agrochemical control in cotton plantations. N. Iaihatsu. *Nerl. Akadopk 1938*, No. 6, p. 82-8; *Chimie et Physique* 1939, 17(1), 1933. Cultivation of cotton creates conditions favorable to the development of nitrification processes during the whole of the vegetative period, denitrification being almost completely excluded. When no fertilizer is applied the materials necessary for nitrification become exhausted about June or July; from this time on accumulation in the soil of mobile N ceases, and a decrease in food reserves is observed. Owing to the intensity of nitrification processes in cultivated soils they contain very little of the intermediate products of degradation of org. material.

ABU-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103330001-0"

BALYABO, N. K.

"Agronomical Characteristics of the Soils of an Irrigated Cotton-Plant Zone." Sub 11 Jan 51, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil Science.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

the M. V. Lomonosov Moscow State Univ.
of Soil Science and C.R. Institute (Moscow).

BALYABO, N. K.

"Retaining Moisture in Spring Soil and in the First Growing Period of the Cotton Plant," Khlopkovodstvo, No.3, 1952

Dr. Agricultural Sci. N. K. DALYABO and Candidates of Agricultural Sci. B. S. Gutina and N. J. Elinov (All-Union Sci. Res. Inst. of Fertilizers, Agrotechniques and Agricultural Management (1955) are co-authors of an article on the utilization of virgin land and melioration of steppe ~~soil~~ alkaline soil and saline soils, appearing in source publication.

SO: Doklady Vsesoyuznogo Ordyna Lenina Akademii Sel'skogo i nauchno-tekhnicheskogo Nauk. Imeni V. I. Lenina, No. 4, 1956, pp 3-10, Unclassified

BALYABO, N.K., doktor sel'skokhozyaystvennykh nauk; GUTINA, B.S., kandidat sel'skokhozyaystvennykh nauk; BLINOV, M.I.

Reclamation of virgin lands and improvement of steppe solonetz and solonchak soils. Dokl.Akad.sel'khoz. 21 no.4:3-10 '56. (MLRA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy, agro-tehniki i agronomovedeniya. Predstavlena akademikom I.I. Samoylovym.

(Agriculture)

(Solonetz soils)

(Solonchak soils)

USSR/Soil Science. Tillage. Land Reclamation. Erosion.

J-5

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24827.

Author : Balyabko, N.K.

Inst :

Title : Land-Reclamation Layer Ploughing as a Fundamental Method of Cultivation and Farming of Steppe Solonetz and Solonetzian Soils.

OrigrPub: Pochvovedeniye, 1957, No 2, 18-80.

Abstract: Field experiments in a study of various ways of deepening and land-reclaiming the arable layer of solonetz virgin soils were conducted in dry-farming conditions in the Stalingrad experimental station (a complex of solentzian and light-chestnut soils) with spring wheat (1953-1955), and on

Card : 1/3

USSR/Soil Science. Tillage. Land Reclamation. Erosion.

J-5

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24827.

irrigated lands of the Astrakhan region on a complex of solonetzian and brown soils with tomatoes (1954-1955). The following forms of ploughing were tested: the ordinary (21-25 cm.), the three-layer (50 cm.), plantation (50 cm.), land-reclamation (35 + 15 cm.) and deep porosity (50 cm.). On the solonetz complex soils the most promising was proved to be the three-layer ploughing, providing for intermingling of the B and C horizons by reserving the A horizon in the former place. The method is considered as a single application in the furthest depth of porosity by a special means for porosity. In the opinion of the author, deep porosity does not

Card : 2/3

65

USSR/Soil Science. Tillage. Land Reclamation. Erosion.

J-5

Abs Jour: Pef Zhur-Biol., No 6, 1958, 24827.

establish prerequisites for the land-reclamation
of solonetz. Bibliography 19 titles.

Card : 3/3

USSR/Soil Science - Soil Genesis and Geography.

J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1319

Author : Balyabov, N.

Inst : ~~Ministry of Agriculture~~

Title : Large-Scale Agricultural Soil Maps in Cotton Sowing
Districts.

Orig Pub : Klopkovodstvo, 1958, № 3, 53-56

Abstract : A description is given of the principles of constructing
large-scale maps and cartograms applicable to them for
areas of cultivation of irrigated cotton plants.

Card 1/1

- 4 -